

## MINE PLAN ADEQUACY REVIEW

### WESTERN INTERNATIONAL CORPORATION SILVER MAPLE MINE Summit County, Utah

Pursuant to the Mined Land Reclamation Act and the general rules and regulations and rule of practice and procedures, the Utah Division of Oil, Gas and Mining (UDOGM) finds the Notice of Intention to Commence Mining Operations with attachments incomplete and inadequate at this time. The following information, maps and plans must be provided as part of the Notice of Intention prior to the Division reaching a tentative decision with respect to the approval.

#### LEGAL AND FINANCIAL INFORMATION

OK Pursuant to Mine Reclamation form 1, item 9, the applicant has failed to list owners of record of the surface lands within the land to be affected. If the surface lands involved are public lands, then the applicant must identify the surface managing authority for those lands and list the address and telephone numbers for those agencies. Pursuant to Mine Reclamation form 1, Item 10, the applicant has listed Mr. Dennis K. Engle, and Mr. James William Grey as the owners of record for the minerals to be mined. The applicant should provide documents or leases to show that these minerals are owned, in fact, by these parties.

OK Pursuant to Mine Reclamation form 1, item 12, the operator identifies his legal right to enter and conduct operations on the lands to be covered by this notice as of claim filed April 18, 1980. The applicant should provide evidence and documentation with his Notice of Intent to Mine of the claim and that this claim encompasses lands proposed to be mined.

OK Pursuant to Mine Reclamation form 1, item 11(a), the applicant has failed to indicate whether the owners of the surface lands or the surface managing agency have been notified in writing.

OK Pursuant to Rule M-3 and Mine Reclamation form 1, item 14, the applicant should submit to the Division documentation to show that Western International Corporation is licensed to do business within the State of Utah.

OK Pursuant to Mine Reclamation form 1, Confidentiality Note, the applicant should be informed that the Division cannot publish or provide information to the Board of Oil, Gas and Mining if all of the information contained within the permit application is to be maintained as confidential information. Section 40-08-13(2) of the Mined Reclamation Act provides that only information relating to location, size or nature of deposit which is marked confidential shall be protected.



## MAPS AND PLANS

ok Pursuant to Rule M-3(1), the applicant has submitted a map delineating the boundaries of the Silver Maple Mine. It would be helpful if the operator had a more proper map at a larger scale to more accurately depict the property boundaries. In addition, the applicant should show the interior limits of the land proposed to be affected, including the access road. On the same map, the applicant should show the boundaries of surface properties and the names of surface and mineral owners in and adjacent to the boundaries of the Silver Maple Mine. Pursuant to Rule M-3(1)(d), the applicant should show the names and locations of all lakes, rivers, reservoirs, streams, creeks, springs or other bodies of public water, roads, buildings, abandoned or active surface facilities and transmission lines on the land affected and within 500 feet of the exterior limits of the land affected on this map.

ok Pursuant to Mine Reclamation form 2, item 11(1), the applicant should provide, on a map, the mining sequence. This sequence should include operations on a year-to-year basis for the life of the mine. The map used to provide this information should be of a larger scale, possibly 1 in = 200 ft. In addition, the applicant should be sure to address Rule M-3(1)(d), names and locations of lakes, rivers, streams, creeks, roads, buildings, etc.; Rule M-3(1)(e), a drainage plan showing overburden, topsoil waste stockpiles, directional flow of overland water, constructed drainage ways and diversion and berms; Rule M-3(1)(f), drill holes locations, status depth and thickness, any information on water bearing strata, toxic materials, etc.; Rule M-3(1)(g), locations of disposal of topsoil areas during operations, any material to be stored for use after mining, overburden materials, any waste tailings, rejected materials and any discharge points for water effluents.

Pursuant to Mine Reclamation form 2, under grading and regrading, item A, the applicant must provide a map of similar scale to that above showing the final topography following reclamation and any cross sections typical of the area after reclamation. These maps should show the appropriate scale and the information pertinent to final drainage, etc.

## EFFLUENT CONTROL

ok Pursuant to Rule M-10, item 11, the applicant should provide a drainage plan as indicated by Rule M-3(1)(e), demonstrating that the applicant's mining operation will be conducted in a manner that sediment from areas disturbed in mining and reclamation activities is adequately controlled and that the degree of sediment control shall be appropriate to the receiving waters to be disposed of, giving in general terms the expected acid or salt content and expected impact on downstream water systems. Pertinent information involving the applicant's extraction process pursuant to whether any leachates or other chemicals will be used to extract these minerals is needed. The applicant should also describe the receiving waters of Silver Creek, including the acid or salt contents, the total suspended solids, the total dissolved solids and include any toxic mineral analysis appropriate.



## OPERATION PLAN

The applicant has described the mining method in general details. However, the Division needs more information including the depth, cuts, the mining sequence as it progresses across the property, the locations of spoil material, the location of the millsite, etc.

*more  
input*

Pursuant to Mine Reclamation form 2, item 11(b), the applicant should show the construction and maintenance of his access road, procedures for such construction, cross sections and profiles of this road. Pursuant to Rule M-10, item 14, the applicant has stated that all materials are refuse materials. The applicant should note that any areas to be disturbed where soils exist or suitable materials as a root growth medium should be removed, segregated and stockpiled according to its ability to support vegetation prior to mining.

*come up  
now*

Pursuant to Rule M-3(2)(c), the applicant should discuss how materials will be handled and should provide additional information concerning the projected toxicity of the materials after processing and show that these materials will be nontoxic to the surrounding environment.

## RECLAMATION PLAN

*OK*

Pursuant to Rule M-3(2)(b), the applicant has shown an intended use for subdivision development. To support this use, the operator shall provide the Division with information demonstrating that this land can be used for a subdivision including: (1) that under the terms of the applicant's mineral lease, that this land can be used for a subdivision; (2) that this land is zoned correctly for subdivision use; (3) that the land will be suitable for foundations, following reclamation; (4) the projected time schedule following abandonment of the mining operation is timely enough to qualify as reclamation. The applicant should consider under Rule M-10, item 1, that after abandonment, the area affected shall be reclaimed to a condition which is capable of supporting a postmining use that is compatible with the probable uses, i.e., subdivision. In addition, the applicant shall demonstrate in the plan compliance with Rule M-10, item 2, that the public safety and welfare shall be protected following mining.

*OK  
purchase  
mining*

The applicant mentions that he plans to build condominiums "on the land and topsoil." There is no indication in the applicant's plan of topsoil. The applicant should provide an explanation of where this topsoil is to be acquired. Pursuant to Rule M-3 and Mine Reclamation form 1, item 9, the applicant indicates a rail line through the permit area. The applicant should provide on his operation map the right-of-way for this rail line. Pursuant to Rule M-5, reclamation and surety estimate, the applicant must indicate the standard for reclamation success. The bond for surety must guarantee that the land will either successfully be reclaimed to the postmining capability prior to mining or that the alternative postmining land-use as a subdivision will be accomplished. The surety estimate must be based upon an estimate which would allow the Division, upon a forfeiture of the bond, to return the land to its present condition.

*surrounding  
area*

*division*

Pursuant to Rule M-3(1)(e), the applicant should describe impacts on the irrigation canal shown in the photographs taken by the applicant.

Pursuant to Rule M-3(2)(e), does the applicant intend to accomplish any planting during development of the subdivision as an alternative practical procedure to minimize or control erosion or siltation? The applicant should note that the objective in revegetation should be to stabilize land as quickly as possible after it has been disturbed in order to achieve permanent and protective vegetation cover. Due to the fact that the applicant's timetable may be longer than four years, the Division may recommend that the applicant do some reclamation during operations and after operations to provide a protective cover prior to subdivision development.